

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Tuchman Cleaners - Removal Polrep

US EPA RECORDS CENTER REGION 5



456994



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #15
Progress PolRep
Tuchman Cleaners
B5ZU
Indianapolis, IN
Latitude: 39.8369420 Longitude: -86.1210940

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From: Shelly Lam, On-Scene Coordinator
Date: 10/23/2013
Reporting Period: July 13 - October 23, 2013

1. Introduction

1.1 Background

Site Number:	B5ZU	Contract Number:	EP-S5-09-05
D.O. Number:	106	Action Memo Date:	8/16/2012
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	9/17/2012	Start Date:	9/17/2012
Demob Date:		Completion Date:	
CERCLIS ID:	INN000510530	RCRIS ID:	IND982425662
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) incident category: Inactive Production Facility

1.1.2 Site Description

The following sections provide information on the site location, description of threat, and site assessment results.

1.1.2.1 Location

The Tuchman Cleaners site is located at 4401 N. Keystone Avenue in Indianapolis, Marion County, Indiana. The site is located in an area northeast of downtown Indianapolis that is commercial and residential. Approximately 10,000 people live within one mile of the site. The Fall Creek well field is less than ¼ mile from the site. Fall Creek, a major tributary to the White River, is located approximately 500 feet south of the site. The geographical coordinates for the site are latitude 39.836942 ° north and longitude 86.121094 ° west.

1.1.2.2 Description of Threat

A release of hazardous substances, pollutants, or contaminants was documented at the site. The U.S. Environmental Protection Agency (EPA) documented the presence of hazardous substances as defined by section 101(14) of CERCLA, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), vinyl chloride, chloroform, and 1,1,2,2-tetrachloroethane; and pollutants and contaminants as defined by 101(33) of CERCLA.

Hazardous substances were documented in soil, groundwater, and soil vapor. Possible exposure routes to hazardous substances include dermal contact with contaminated surface and subsurface soil during excavating activities; inhalation of contaminated air that migrated through subsurface soil and groundwater, i.e. vapor intrusion and ingestion of contaminated drinking water. Potential human receptors include future on-site workers and residents, including children in a day care adjacent to the site.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See previous Pollution Reports (PolRep).

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Tuchman Cleaners operated as a dry cleaner at the Keystone facility beginning in 1953 until 2008 when the company declared bankruptcy. Historical operations at the site caused releases of dry cleaning solvents, primarily PCE, to soil and groundwater.

Prior to the construction of the dry cleaning facility, the property was an empty lot. In January 2012, the City of Indianapolis completed demolition of the on-site building to assist with EPA's time-critical removal.

2.1.2 Response Actions to Date

Refer to Pollution Reports (PolRep) 1-14 for previous actions.

During the reporting period, EPA accomplished the following:

- Conducted pre-installation pilot tests and/or system scoping at three residences;
- Installed vapor mitigation systems at two residences;
- Modified one vapor mitigation system where post-installation proficiency sampling indicated that indoor concentrations were still above screening levels;
- Conducted initial vapor intrusion sampling at one property; and
- Conducted follow-up sampling at eight properties.

EPA has installed vapor mitigation systems at 20 residential properties. Maximum concentrations for chemical screening levels in indoor air included 1,2,4-trimethylbenzene at 150 parts per billion by volume (ppbv); chloroform at 5.8 ppbv; xylenes at 360 ppbv; PCE at 22 ppbv; and TCE at 62.6 ppbv. Residential screening levels for indoor air are 1.5 ppbv for 1,2,4-trimethylbenzene; 0.9 ppbv for chloroform; 50 ppbv for xylenes; 6 ppbv for PCE; and 1.3 ppbv for TCE.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

EPA has issued General Notice Letters and/or 104(e) information requests to 11 different parties. Based on the information received, none of the parties is either liable or have the financial resources to conduct the work. Therefore, EPA did not issue an order because the former owner is in Chapter 11 receivership.

2.1.4 Progress Metrics

The waste stream metrics are current for waste disposed through November 29, 2012.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal Facility</i>
NA3077, Hazardous Waste Solid, NOS, (F002), 9, PGIII	Soil	1777.76 tons	Various	None	Wayne County Disposal

NA3077, Hazardous Waste Solid, NOS, (F002), 9, PGIII	Soil	773.26 tons	Various	Chemical oxidation	Michigan Dispos
NA3082 Hazardous Waste Liquid, NOS, PGIII	Liquid	3250 pounds	010719993JJK	None	EQ Del
Non-hazardous, non-regulated liquid	Liquid	400 pounds	010719993JJK	None	EQ Del

R5 Priorities Summary		
This is an Integrated River Assessment.	Miles of river systems cleaned and/or restored	NA
	Cubic yards of contaminated sediments removed and/or capped	NA
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	NA
Stand Alone Assessment	Acres Protected	2.2
	Number of contaminated residential yards cleaned up	0
	Human Health Exposures Avoided	10,000
	Number of workers on site	8
Contaminant(s) of Concern		
Contaminant(s) of Concern	PCE, TCE, cis-1,2-DCE, vinyl chloride, chloroform, 1,1,2,2-tetrachloroethane	

Green Initiatives

See previous PolReps.

2.2 Planning Section

2.2.1 Anticipated Activities

EPA is conducting the following response actions to mitigate threats posed by the presence of hazardous sub at the Tuchman Cleaners Site: develop and implement a Site Health and Safety Plan and a Site Security Plan remove contaminated soil that poses a direct contact threat; backfill excavated areas with clean impermeable conduct vapor intrusion assessment at residential properties and an adjacent day care; perform vapor intrusion mitigation at properties where relevant indoor air action levels are exceeded in accordance with current EPA guidance; and consolidate and package hazardous substances, pollutants and contaminants for transportation off-site disposal in accordance with the EPA Off-Site Rule, 40 CFR § 300.440.

2.2.1.1 Planned Response Activities

During the next reporting period, EPA will continue post-mitigation follow-up sampling at homes. Additionally, will upgrade mitigation systems that do not pass post-installation performance sampling.

2.2.1.2 Next Steps

EPA will refer the site to the Indiana Department of Environmental Management (IDEM) and EPA's Remedial when removal actions are complete.

2.2.2 Issues

None

2.3 Logistics Section

The Emergency and Rapid Response Services (ERRS) contractor provided logistical support.

2.4 Finance Section

2.4.1 Narrative

EPA issued delivery order 106 to the ERRS contractor on September 4, 2012 in the amount of \$1,500,000.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$1,500,000.00	\$898,398.01	\$601,601.99	40.11%
TAT/START	\$160,000.00	\$146,771.00	\$13,229.00	8.27%
Intramural Costs				
USEPA - Direct	\$156,700.00	\$57,833.00	\$98,867.00	63.09%
Total Site Costs	\$1,816,700.00	\$1,103,002.01	\$713,697.99	39.29%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Cost accounting data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety

On September 17, 2012, the Health and Safety Plan (HASP) was finalized and signed by all site personnel. All personnel on-site attend daily health and safety briefings.

2.5.2 Liaison Officer

Not applicable (NA)

2.5.3 Information Officer

See previous PolReps.

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

ATSDR

IDEM

Marion County Public Health Department

City of Indianapolis

Citizens Energy

4. Personnel On Site

The following personnel were on-site during the reporting period.

Agency	Position	# Personnel
EPA	OSC	1
ERRS	Foreman	1
	VI Subcontractor	5
START	On-Site monitoring and documentation support	1

5. Definition of Terms

ATSDR	Agency for Toxic Substances and Disease Registry
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DCE	Dichloroethene
EPA	Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
HASP	Health and Safety Plan
IDEM	Indiana Department of Environmental Management
NA	Not Applicable
OSC	On-Scene Coordinator
PCE	Tetrachloroethene
PolRep	Pollution Report
ppbv	parts per billion by volume
PRP	Potentially Responsible Party
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethene

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, refer to www.epaosc.org/tuchman or <http://www.epa.gov/region5/cleanup/tuchman/index>

6.2 Reporting Schedule

The OSC will submit PolReps periodically.

7. Situational Reference Materials

NA